

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 6.1.3
Date: 12/01/2017 10:04 AM
Cytometer Baseline: 10/18/2017 09:13 AM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads, **Part #:** 910723
Lot ID: 25720, **Expiration Date:** 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124806	-1	1.35	124646	1.31
Blue	F	SSC	125000	123067	-2	3.21	123348	3.00
Blue	E	FITC	23615	22887	-4	2.53	1023	10.38
Blue	D	PE	26739	26243	-2	1.99	943	10.01
Blue	B	PerCP-Cy5-5	48339	46786	-4	3.43	1339	17.04
Blue	A	PE-Cy7	45021	44116	-3	5.15	686	35.27
Red	C	APC	53064	52433	-2	2.78	3012	9.13
Red	A	APC-Cy7	57175	56248	-2	2.81	1178	10.94
Violet	B	V450	14728	14118	-5	5.40	673	9.53
Violet	A	V500	58621	56755	-4	5.22	2510	7.39

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19281	2.34	608	-6	N/A	N/A	Pass
Blue	F	SSC	60874	1.44	544	-2	N/A	N/A	Pass
Blue	E	FITC	112	38.37	544	-4	0.0199	75	Pass
Blue	D	PE	207	28.51	535	-1	0.1451	183	Pass
Blue	B	PerCP-Cy5-5	211	44.76	631	-4	0.0099	77	Pass
Blue	A	PE-Cy7	72	121.30	690	-3	0.0120	17	Pass
Red	C	APC	354	27.13	595	-2	0.0224	120	Pass
Red	A	APC-Cy7	129	39.71	577	-3	0.0059	1803	Pass
Violet	B	V450	82	42.12	464	-6	0.0520	2221	Pass
Violet	A	V500	183	22.05	491	-6	0.0141	138	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.24	-31.69	0.94
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.33
Red	19.09	14.40 - 21.60	N/A	N/A	31.28	31.78	1.16

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 10671

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.70

Comments